

DOMRACHEV, S. M.

15-57-7-9867

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 7,
p 163 (USSR)

AUTHOR: Domrachev, S. M.

TITLE: Exploratory Wells in Kuzbas (Perspektivy opornogo
bureniya v Kuzbasse)

PERIODICAL: Tr. Tomskogo un-ta, 1956, Vol 135, pp 65-68

ABSTRACT: Drilling of the Yermakovo and the Borisovka exploratory wells was continued in the Kuzbas in 1952. The Yermakovo well revealed the Krasnogorskaya series of the Lower and Middle Devonian at a depth of 1152 m; drilling was discontinued in this series at a depth of 1587 m. The Borisovka well, located almost in the center of the Kuzbas, reached the Il'minskaya series at a depth of 1034 m by the end of 1952. The value of drilling of the Voskresenskaya and Iuk'yanovskaya exploratory wells is indicated.

Card 1/1

M. Dregulesku

SPIZHARSKIY, T.N., red.; TOLSTIKHINA, M.A., red.; BODYLEVSKIY, V.I., red.; BOCH, S.G., red.[deceased]; VASILENKO, V.K., red.; DODIN, A.L., red.; DOMRACHEV, S.M., red.; KRASNAYA, I.I., red.; MELESHCHENKO, V.S., red.; MERNER, V.V., red.; NIKIFOROVA, O.I., red.; OBRUCHEV, S.V., red.; RZHONSNITSKAYA, M.A., red.; ROSTOVTSYEV, N.N., red; SAKS, V.N., red.; SARYCHEVA, T.G., red.; FOMICHEV, V.L., red; CHERNYSHEVA, N.Ye., red.; YAKOVLEV, S.A., red.; RAGINA, G.M., vedushchiy red.; YASHCHURZHINSKAYA, A.B., tekhn.red.

[Proceeding of the Interdepartmental Conference on the Development of a Unified System for the Stratigraphy of Siberia; reports on the stratigraphy of Mesozoic and Cenozoic deposits] Trudy Mezhdvedomstvennogo soveshchaniya po razrabotke unifitsirovannykh stratigraficheskikh skhem Sibiri; doklady po stratigrafiy mezoiskikh i kainosoiskikh otlozhenny. Leningrad, Gos.nauchno-tehn.izd-vo neft. i gorno-toplivnoi lit-ry, Leningr. etd-nie, 1957. 575 p. (MIRA 11:6)

1. Mezhdvedomstvennoye soveshchaniye po razrabotke unifitsirovannykh stratigraficheskikh skhem Sibiri. Leningrad, 1956. 2. Vsesoyuznyy geologicheskiy nauchno-issledovatel'skiy institut (for Spizharakiy, Tolstikhina, Boch, Dodin, Krasnov, Meleshchenko, Nikiforova, Rostovtsyev, Fomichev, Chernysheva, Yakovlev). 3. Leningradskiy gornyy institut (for Bodylevskiy). 4. Vsesoyuznyy neftyanoy nauchno-issledovatel'skiy institut (for Vasilenko, Domrachev). 5. Geologicheskiy institut Akademii nauk SSSR (for Merner). 6. Laboratoriya dokembriya Akademii nauk SSSR (for Obruchev). 7. Institut geologii Arktiki (for Saks). 8. Paleontologicheskiy institut Akademii nauk SSSR (for Sarycheva) (Siberia--Geology, Stratigraphic)

SPIZHARSKIY, T.N., red.; BOIVLEVSKIY, V.I., red.; BOCH, S.G., red.; VASILENKO, V.K., red.; DODIN, A.L., red.; DOMRACHEV, S.M., red.; KRASNOM, I.I., red.; MELESHCHENKO, V.S., red.; MENNEN, V.V., red.; NIKIFOROVA, O.I., red.; OBRUCHEV, S.V., red.; RZHONSMITSKAYA, M.A., red.; ROSTOVSEV, N.N., red.; SAKS, V.N., red.; SARYCHEVA, T.G., red.; FOMICHEV, V.D., red.; CHERNYSHEVA, N.Ye., red.; YAKOVLEV, S.A., red.; SKVORTSOV, V.P., red.ind-va; PLEN'KOVA, S.A., tekhn.red.

[Decisions of the Interdepartmental Conference on Making Unified Stratigraphic Charts of Siberia] Resheniya Meshvedomstvennogo soveshchaniya po razrabotke unifitsirovannykh stratigraficheskikh skhem Sibiri. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po geol. i okhrane nadr, 1959. 91 p. (MIRA 12:9)

1. Meshvedomstvennoye soveshchaniye po razrabotke unifitsirovannykh stratigraficheskikh skhem Sibiri, Leningrad, 1956.
(Siberia--Geology, Stratigraphic)

DOMRACHEV, V.

18031

USSR/Animal Husbandry 4303,0200 Nov 1947

"Thirty Years of Soviet Animal Breeding," V. Domrachev, 7 pp

"Sots Sel Khoz" Vol XVIII, No 11

Table shows number of horses, cattle, sheep, goats and pigs in the USSR in 1916, 1929, 1930, 1931, 1932. Discusses growth of state and collective farms devoted to husbandry. Outlines average size of sheep-raising farms (in heads of sheep) in Central Asian republics and autonomous oblasts.

IC

18031

DOMRACHEV, V.

Domrachev, V. "For the further development of general animal husbandry in kolkhozes", *Vestnik Gos. kontrolya*, 1948, No. 10, p. 6-15.

SO: U-2888, 12 Feb. 53, (*Letopis' Zhurnal 'nykh Statey*, NO. 2, 1949).

DOMRACHEV, V.

Further possibilities in dairy cattle husbandry on state farms. Sots.
Sel'khoz. #3, No 9, 1952.

CC NR: AF6015719 (A,N)

SOURCE CODE: UR/0413/66/000/009/0150/0151

INVENTOR: Domrachev, V. G.

ORG: None

TITLE: a programmed timer. Class 74, No. 181519 [announced by the Moscow Institute of Transportation Engineers (Moskovskiy institut inzhenerov transporta)]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 9, 1966, 150-151

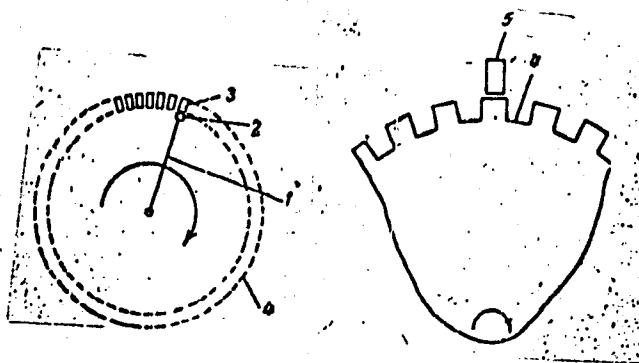
TOPIC TAGS: timing device, logic circuit

ABSTRACT: This Author's Certificate introduces a programmed timer which contains a clock mechanism and logic circuit. The unit is designed for high reliability on a protracted operating cycle. The sensing elements are induction micropickups with common armatures fastened to the ends of the pointers in the clock mechanism. The installation has inductors for hours, minutes and seconds which are excited by the logic circuit from a cyclic sensing unit.

Card 1/2

UDC: 621.3.083.8:681.142.07

ACC NR: AP6015719



1—pointer of the clock
mechanism; 2—ferromagnetic
armature; 3 and 5—inductors;
6—disc .

SUB CODE: 14, 09/ SUBM DATE: 16Feb65

Card 2/2

DCMRACHEV, V.G., inzh.

Differential transformer mileage counter and recorder for
locomotives. Vest. TSNII MPS 25 no.1:23-27 '66.

(MIRA 19:2)

DOMRACHEV, V.I.

26(4)

PHASE I BOOK EXPLOITATION

SOV/2023

Rumyantsev, Sergey Vasil'yevich, Mikhail Dmitriyevich Yermolayev,
Vladimir Ivanovich Domrachev, Aleksey Sergeyevich Tikhonov, and
Aleksandr Alekseyevich Bulavkin

Issledovaniye fakel'noy sistemy zazhiganiya primenitel'no k aviat-
sionnym dvigatelyam (Analysis of Flame Ignition as Applied to Air-
craft Engines) Moscow, Oborongiz, 1958. 111 p. (Series: Kazan'.
Aviatsionnyy institut. Trudy, 39) No. of copies printed not given.

Ed. (Title page): S.V. Rumyantsev; Ed. (Inside book): S.I. Bumshteyn,
Engineer; Ed. of Publishing House: M.S. Anikina; Tech. Ed.: L.A.
Garnukhina; Managing Ed.: A.S. Zaymovskaya, Engineer.

PURPOSE: This book may interest workers of research organizations,
designers of mobile and stationary engines, and also instructors
and students of vuzes.

COVERAGE: This book analyzes the working process in piston engines
with flame ignition and shows the advantages of this type of ig-
nation over other types. The theoretical considerations presented
were verified experimentally. The designed and tested experimental
Card 1/6

Analysis of Flame (Cont.)

SOV/2023

engine units with precombustion chambers made possible optimum design of construction elements and selection of optimum parameters of the working process. The book briefly describes work done by the collective of the Department of the Theory of Aircraft Engines of KAI (Kazan' Aviation Institute) on aircraft flame ignition engines and describes achievements in this field reflected in Soviet literature. The following personalities connected with this branch of science are mentioned: A.S. Sokolik and A.N. Voinov, Institut Khimicheskoy fiziki, AN SSSR (Institute of Chemical Physics, Academy of Sciences, USSR); L.A. Gussak; M.M. Maslennikov; S.M. Kogarko; and S.D. Kolosov. There are no references.

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AVAILABLE: Library of Congress
Card 6/6IS/sfm
7-28-59

DOMRACHEV, V. M., Docent

"On the pressor Action of Certain Cardiovascular substances in Patients with Acute Infections." Sub 27 May 47, Moscow Medical Inst, Ministry of Health RSFSR

Dissertations presented for degrees in science and engineering in Moscow in 1947

SO: Sum No. 457, 18 Apr. 55

DORRACHEV, V. M.

"On the pressure effect of some cardio-vascular remedies in acute-contagious diseases,"
"The action of ephedrine," Trudy-Krymsk. med. in-ta im. Stalina, Vol. XII, 1948, p. 303-09

SO: U-3950, 16 June 53. (Letopis, Zhurnal 'nykh Statey, No. 5, 1949).

DONRACHEV, V. N.

V. M. Donrachev and M. V. Vasil'yeva - "An experiment on the use of antireticular cytotoxic serum of Acade Bogomolets for the treatment of Exanthematic Typhus and Typhoid," Trudy Krymsk. med. in-ta im. Stalina, Vol. XII, 1948, p. 311-16

SO: U-3950, 16 June 53, (Letopis, 'Zhurnal 'nykh Statej, No. 5, 1949).

DOMRACHEV, V. M.
USSR/Medicine - Dysentery

FD 137

Card 1/1

Authors : Domrachev, V. M. and Levina, Ts. M.

Title : Concerning the problem of immunological reaction responses of dysentery patients.

Periodical : Zhur. mikrobiol. epid i immun. 4, 56-60, Apr 1954

Abstract : Correlations between clinico-bacteriological and clinico-immunological examinations of dysentery patients are discussed in detail. Biochemical characteristics, agglutinability of corresponding patient anti-serums and cultures, phagolysis, and resistance to synthemycin were investigated. Agglutination reactions were used to determine both the immunological reaction responses of the patients, and the antigenicity of the given strains of dysentery bacilli. The results are given in chart form. No references are cited.

Institution : Clinic of Infectious Diseases (Head-Prof. V. M. Domrachev) of the Crimean Medical Institute im I. V. Stalin and the Crimean Oblast Institute of Epidemiology and Microbiology (Director - Docent P. A. Korolev)

Submitted : July 13, 1953

DOMRACHEV, V.M.; KLIMOV, K.V.

Compound therapy in bacillary dysentery. Zhur.mikrobiol.epid. i
immun. 27 no.6:80-81 Je '56. (MIRA 9:8)

1. Iz kafedry infektsionnykh bolezney i epidemiologii Krymskogo
gosudarstvennogo meditsinskogo instituta.
(DYSENTERY)

DOMRACHEV, V. M.

COUNTRY	:	USSR	V
CATEGORY	:	Pharmacology and Toxicology. Analeptics	
ABS. JOUR.	:	RZhBiol., No. 5 1959, No. 23072	
AUTHOR	:	Domrachev, V. M.	
INST.	:	Crimean Medical Institute	
TITLE	:	Effects of Cytiton upon Arterial and Venous Pressure in Patients with Acute Infection	
ORIG. PUB.	:	Tr. Krymsk. med. in-ta, 1957, 18, 305-311	
ABSTRACT	:	Intravenous injections of cytiton were applied in 47 patients (typhus, typhoid fever, and other diseases). The maximal arterial pressure increased by 5-30 mm of mercury in a course of 7-35 min; the minimal arterial pressure did not change. In the majority of cases, venous pressure increased, but the effect was short-lived. In some patients, nausea and giddiness were noted after injection of cytiton.-- A. M. Ivanitskiy	
Card:	1/1		

DOMRACHEV, Yu.

Ceylon does not want to depend on oil monopolies. Vnesh. torg.
41 no. 3:22 '61. (MIRA 14:2)
(Ceylon—Petroleum industry)

DOMRACHEVA, G.I.

DOMRACHEVA, G. I. "Generalized semirodered rings and their ideals".
Leningrad, 1955. Leningrad State Pedagogical Inst imeni A. I. Gertsen, Chair
of of Mathematical Analysis. (Dissertation for the Degree of Candidate of
Physicomathematical Sciences.)

SO: Knizhnaya Letopis' №. 46, 12 November 1955. Moscow

BEZBORODOV, A.M.; DOMRACHEVA, L.A.

Utilization of intracellular substrates by actinomycetes in
the absence of external sources of nutrition. Nauch. dokl.
vys. shkoly; biol. nauki no. 2:162-165 '64. (MIRA 17:5)

1. Rekomendovana kafedroy tekhnologii antibiotikov Leningradskogo
khimiko-farmatsevticheskogo instituta.

SHAPOSHNIKOV, V.N., akademik; BEZBORODOV, A.M.; DOMRACHEVA, L.A.;
KUPTSOVA, N.I.

Formation and distribution of amino acids in an *Actinomyces*
levoris 2789 culture according to developmental phases. Dokl.
AN SSSR 157 no.3:681-683 J1 '64. (MIRA 17:7)

1. Institut mikrobiologii AN SSSR i Leningradskiy khimiko-
farmatsevticheskiy institut.

DOMRACHEVA, N.I.

Development of encapsulated nerve endings in the periosteum of
the bones of the lower extremities of a human fetus. Nauch.
trudy Kaz. gos. med. inst. 14:159-160 '64. (MIRA 18:9)

1. Kafedra anatomii cheloveka (zav. - prof. A.G.Korotkov)
Kazanskogo meditsinskogo instituta.

DOMRACHEVA, N. I.: Master Med Sci (diss) -- "On the problem of the morphology of the nervous apparatus of the periosteum of the bones of the lower extremities of embryos, children, and adult humans". Kazan', 1958, published by the Kazan' U. 11 pp (Kazan' State Med U) (KL, No 2, 1959, 125)

DOMRACHEVA, N. I., assistant

Morphology of the neural apparatus of the periosteum of bones of the lower extremities in embryos, fetuses, and the adult man. Azerb.
med.shur. no.7:89-92 Jl '58 (MIRA 11:8)

1. Iz kafedry anatomi cheloveka (zav. - prof. V.N. Murat) Kazanskogo gosudarstvennogo meditsinskogo instituta (direktor - dots. - R.A. Vyaselev).
(PERIOSTEUM--INNervation)

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000410920006-9

DOMRACHEVA, Ye.A., prof.; KOL'TSOVA, L.A. (Kazan')

Early surgery in congenital harelip. Kaz. med. zhur. no.5:86
S-0'63 (MIRA 16:12)

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000410920006-9"

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000410920006-9

DOMRACHEVA, Ye.A., prof.

Modification of uranoplasty providing an improved function
of the soft palate. Vop. obshchei stom. 17:94-96 '64.
(MIRA 18:11)

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000410920006-9"

DOMRACHEVA, Z. V.

32818. Levin, Ye. R. i Domracheva, Z. V. Kliniko-bakteriologicheskaya kharakteristika pneumonii u detey rannego vozrasta, sovetsk. i. pediatriya, 1949, No. 5, s. 35-40

SO: Letopis' Zhurnal'nykh Statey, Vol. 44, Moskva, 1949

Translation - "Clinical and Bacteriological Characteristics of Pneumonia in Children,"

Chair of Pediatrics, Central Inst. Advanced Training for Physicians.
Research Lab. Influenza, Inst. Virology, AMS USSR

MONAYENKOV, A.M.; KORCHEMKINA, I.Ye.; MIKHAYLOVA, G.M.; DOMRACHEVA, Z.V.

Physiological analysis of the individual immunological reactivity of horses used in the production of therapeutic and immune serums. Zhur. mikrobiol. epid. i immun. 30 no.10:60-67 O '59. (MIRA 13:2)

I. In Instituta normal'noy i patologicheskoy fisiologii AMN SSSR i Moskovskogo instituta vaksin i sывороток имени Мечникова.
(IMMUNE SERUMS)
(HORSES)

DOMRACHEVA, Z.V.

An outbreak of A₂ influenza in human beings and horses; preliminary report. Zhur. mikrobiol. epid. i immun. 32 no.7:31-36 Je '61.
(MIRA 15:5)

1. Iz Moskovskogo instituta vaktsin i syvorotok imeni Mechnikova.
(INFLUENZA) (HORSES--DISEASES)

DOMRADSKIY, I.V., prof.

Study of the plague in the Mongolian People's Republic. Izv. Irk.
gos. nauch.-issl. protivochum. inst. 22:7-9 '59. (MIRA 14:10)

1. Direktor Irkutskogo gosudarstvennogo protivochumnogo instituta
Sibiri i Dal'nego Vostoka.
(MONGOLIA--PLAUE)

MYZNİKOV, V. (Khar'kov); MIROSHNICHENKO, M. (Khar'kov); SHCHETINA, A.,
frezerovshchitsa, delegat XXII s"yezda Kommunisticheskoy
partii Sovetskogo Soyuza (Khar'kov); DOMRIN, I. (Khar'kov);
VARFOLOMEYEV, V. (Khar'kov)

Approved and... forgotten. Sov. profsoiuzy 18 no.4:20 F
'62. (MIRA 15:3)

1. Reydovaya brigada zhurnala "Sovetskiye profsoyuzy". 2. Rukovoditel' brigady kommunisticheskogo truda imeni XXII s"yezda Kommunisticheskoy partii Sovetskogo Soyuza 3-go mashinnogo tsekha Khar'kovskogo elektromekhanicheskogo zavoda (for Myznikov).
3. Sekretar' partorganizatsii 5-go apparatnogo tsekha Khar'kovskogo elektromekhanicheskogo zavoda (for Miroshnichenko). 4. 3-y mashinnyy tsekhan normalizovannykh detaley Khar'kovskogo elektromekhanicheskogo zavoda (for Domrin). 5. Spetsial'nyy korrespondent zhurnala "Sovetskiye profsoyuzy" (for Varfolomeyev).

(Kharkov—Electric industries—Hygienic aspects)
(Industrial hygiene)

~~DOMRIN, Yu.; LAVRENT'YEV, S., inzh.~~

Technical conference of cooperative societies of disabled workers.
Prom.koop no.10:24 0 '57. (MIRA 10:12)

1. Starshiy inzhener kabineta proizvodstvenno-tehnicheskoy
propagandy kul'tbazy oblpromsoveta (for Domrin).
(Moscow Province--Vocational rehabilitation--Congresses)

~~DOMSA, A.; MULLER, G.~~

"Use of slag, obtained during lamination, for the manufacture of machine parts through power metallurgy."

p. 79 (Studii Si Cercetari De Metalurgie) Vol. 2, no. 1/2, 1957
Bucharest, Rumania

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,
April 1958

DOMSA A., AND OTHERS.

"Utilization of heating through high-frequency currents for the sintering of metallic powders and especially of the refractory powders."

p. 113 (Studii Si Cercetari De Metalurgie) Vol. 2, no. 1/2, 1957
Bucharest, Rumania

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4,
April 1958

Producing contact parts for electric circuits by fritting.
A. Dumitru, G. Müller, T. Bereczky, S. Kovács, and H. Colan (Polytech. Inst., Cluj, Romania). Acad. rep. populară Române, Studii cercetări met. 3, 491-503(1958).
Parts for elec. circuit breakers were prepared from W powders which were fritted in a H atm. and were then impregnated with either Cu or Ag. The W-Ag parts are more compact and show a lower resistance under service conditions. The W-Cu parts are harder, and stand up well under high pressures. Such parts are prep'd. from pure W alone by heating at high frequencies at 2000-2500°. The electro-erosion of these parts is reported. [A. Werner-Jacobsen]

✓ Obtaining French-type iron powder. A. I. Popov ¹⁴ and A. P. Palayev. Acad. rep. populare Române, Studii cercetări met. 4, 69-72 (1959).²⁴ French-type Fe powder, i.e., Fe reduced by CH₄, is produced from rolling-mill scale by drying, sift-
ing, and grinding. This raw material is reduced in an
automatic tubular furnace at 900-1050° with CH₄ gas.
The sintering is done at 1080-1200° with an air-gas mixt.
Felicitas D. Goodman

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152c

DOMSA, A.

COUNTRY:	Rumania	R-13
CATEGORY:		
ABSTRACT NO.:	R2Khim, No. 5 1960, No.	18700
AUTHOR:	Domsa, A., Mueller, G., and Constantinescu, V.	
PLACE:	Cluj Polytechnic Institute	
TYPE:	Investigation of the Possibility of the Application of Several New Materials in the Production of Metal-Bonded Abrasive Discs by Sintering	
ORIG. PUB.:	Lucrari Stiint Politehn Cluj, 4.1-4.25 (1960)	
ABSTRACT:	The results from an investigation on the production of abrasive discs by the sintering of Sic and Cu powder mixtures at 1,100° under a methane atmosphere are presented. Discs of 40 and 100 mm. dia. and thickness 1-1.5 mm were obtained and tested in the working of hard steel. The technical and economic advantages of the discs compared to Bakelite and rubber-bonded discs are discussed. From authors' summary	
TYPE:	L/1	

36739
S/137/62/000/004/043/201
A006/A101

1.1600

AUTHORS: Domsha, A.; Palfalvi, A.

TITLE: Investigations in the field of iron powder preparation

PERIODICAL: Referativnyy zhurnal, Metallurgiya, no. 4, 1962, 41 - 42, abstract
4G273 ("Poroshk. metallurgiya", 1961, no. 5, 102 - 111)

TEXT: In the RNR a method was developed for obtaining Fe-powder by reducing mill cinder with natural gas (the so-called "frame" method). The mill cinder is dried at 400°C; screened through a sieve with 1 mm meshes; ground in a ball mill during 30 min and, reduced at about 1,000°C. The finished powder contains 0.28 - 1.0% C, 90 - 96% Fe, 3.2% O; if partially burnt methane is used, the C-content can be considerably lowered. The expediency is noted of employing rotary gas furnaces for the reduction process. The pressability and sintering capacity of the powder and the properties of the sintered products are described.

R. Andriyevskiy

[Abstracter's note: Complete translation]

Card 1/1

DOMSA, A.; KOVACS, S.; COLAN, H.; BERECZKI, T.; MULLER, G.

Influence of the composition and manufacturing conditions on
the characteristics of the contact pieces sinterized from
metallic powders. Studii cerc metalurgie 6 no.4:413-423 '61.

1. Institutul politehnic Cluj, Laboratorul de metalurgie pulpe-
rilor.

DOMSA, A.; BICSAK, E.

Utilization of thermochemical reactions of some iron powders insufflated in the oxyacetylene flame in cast-iron cutting. Bul stiint polit Cluj no.5:225-234 '62.

DOMSA, A.; BOTHA, L.; PALFALVI, A.

On the decarbonization and simultaneous reduction of some
iron powders. Bul stiint polit Cluj no.5:235-241 '62.

BOMSA, A.; PALFALVI, A.; BOTHA, L.; NICOLAE, V.; COLAN, H.; SANDOR, L.; FILIPESCU, M.; PECULEA, M.; CONSTANTINESCU, V.

Contributions to elaboration of the Fe-graphite and Fe-Cu-graphite antifriction materials. Bul stiint polit Cluj no.5:243-259 '62.

Z/056/63/020/002/001/007
E073/E135

AUTHORS: Iomsa, A., Kovacs, S., and Colan, H.

TITLE: Influence of the chemical composition and the method
of manufacture on the properties of contacts made of
sintered powders

PERIODICAL: Hutnický a strojírenství. Přehled technické a
hospodářské literatury, v.20, no.2, 1963, 78,
abstract HS 63-934. (Rev. Métall., Bucharest, v.7,
no.1, 1962, 93)

TEXT: An experimental investigation on the influence of the
composition and method of manufacture on the working properties
of contacts made of the pseudo alloys W-Cu and W-Ag is described.
Also described are original equipment devised for determining
electric erosion to which the contacts are subjected during
operation, and the technology employed for brazing the contacts to
a base. The results obtained may be used to determine the best
manufacturing methods for obtaining contacts with specific
properties. [Abstracter's note: Complete translation.]

Card 1/1

DOMSA, Alexandru; BOTHA, Liviu; PALFALVI, Attila

Preparation of magnetic powders usable in agriculture.
Studii cerc metalurgie 7 no.1:103-113 '62.

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000410920006-9

DOMSA, A.; BONHA, L.; PALFALVI, A.; SANDOR, L.

Piston rings made of metal powders. Studii cerc metalurgie 7 no.3:
319-337 '62.

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000410920006-9"

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000410920006-9

DOMSA, A.; PALPALVI, A.; BOTHA, I.; NICOLAE, V.; COLAN, H.; SANDOR, L.;
FILIPESCU, M.; PECULEA, M.; CONSTANTINESCU, V.

Studies on the antifriction materials Fe-graphite and Fe-Cu graphite,
Studii cerc metalurgie 7 no.4:441-456 '62.

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000410920006-9"

DOMSA, Alexandru, prof. ing.; BOTHA, Liviu, ing.; PALFALVI, Attila, ing.

Preparation of magnetic powders usable in agriculture. Metalurgia constr
mas 14 no. 2:104-110 F'62.

1. Institutul politehnici, Cluj.

DOMSA, Alexandru, prof. ing.; BICSAK, Eugen, ing.

The use of thermochemical reactions of some iron powders blasted into
the oxyacetylene flame at cast-iron cutting. Metalurgia constr mas
14 no.10:865-869 O '62.

1. Institutul politehnic, Cluj.

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000410920006-9

COLAN, H.; IMOMSA, A.; PALFALVI, A.; NICOLAE, V.; BOTHA, L.

Research on the molybdenum protection by silicification.
Studii cerc metalurgie 8 no.4:397-407 '63.

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000410920006-9"

ACCESSION NR: AP4042125

R/0017/64/000/004/0148/0153

AUTHOR: Szabo, L., Domsa, A., Spirchez, Z., Matei, Gh.

TITLE: Reduction of molybdenum trioxide and characteristics of the powder thus obtained

SOURCE: Metalurgia, no. 4, 1964, 148-153

TOPIC TAGS: molybdenum trioxide, reduction, agglomeration, granulation, controllable granulation, de-agglomeration, reduction parameter, spectroscopic analysis

ABSTRACT: The article presents the results of studies on the reduction of molybdenum trioxide obtained chemically and purified by sublimation. The purpose is to determine: the effects of various parameters on reduction; the effects of various parameters on the granular diffusion of the powders obtained; an explanation of the agglomeration and de-agglomeration phenomena noted during reduction, and, as a result, the obtaining of powder types with controllable granulation. The molybdenum trioxide reduction was performed with hydrogen, according to the formula $\text{MoO}_3 - \text{MoO}_2 - \text{Mo} = \text{Mo}$, through one-phase and multi-phase reduction by means of varying the different reduction parameters. With respect to the purity of the

Card 1/2

ACCESSION NR: AP4M2125

powder obtained, the spectroscopic analysis of impurities is as follows; Re, 0.001%
Si, 0.01%; Ca, 0.01%; Mg, 0.001%; Al, 0.01%; Fe, 0.001%; Bi, 0.01%; Cu, 0.01-0.001%
W, 0.01%; Ba, 0.001%; Cr, 0.01%; and Co, 0.001%. Orig. art. has: 15 figures and
4 formulas.

ASSOCIATION: None

SUBMITTED: 00

SUB CODE: CC, MM

NO REF Sov: 004

ENCL: 00

OTHER: 009

Card 2/2

ACCESSION NR: AP4042127

R/0017/64/000/004/0156/0158

AUTHOR: Domsa, A., Palfalvi, A., Filipescu, M., Nicolae, V., Botha, L.

TITLE: Pressing and sintering properties of molybdenum powders

SOURCE: Metalurgia, no. 4, 1964, 156-158

TOPIC TACS: metallurgical pressing, sintering, arc-cast, molybdenum electrode, powder metallurgy

ABSTRACT: The article deals with pressing and sintering operations of molybdenum powders made from indigenous raw materials. Two methods are used to obtain compact molybdenum: one in which the sintered semifinished products are forged and, possibly, drawn, and one in which sintered molybdenum powder electrodes are melted in vacuum (also called the arc-cast method). As a result of the experiments made, it appears that molybdenum powder made from indigenous raw material has favorable pressing and sintering properties and can be used in powder metallurgy. Orig. art. has: 11 figures and 1 table.

ASSOCIATION: None

Crnd 1/2

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000410920006-9

ACCESSION NR: AP4042127

SUBMITTED: 00

ENCL: 00

SUB CODE: MM

NO REF Sov: 000

OTHER: 004

Card 2/2

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000410920006-9"

ACCESSION NR: AP4042128

R/0017/64/000/004/0158/0162

AUTHOR: Colan, A., Domas, A., Palfalvi, A., Nicolaes, V., Botha, L.

TITLE: Research on the protection of molybdenum through silicification

SOURCE: Metalurgia, no. 4, 1964, 158-162

TOPIC TAGS: Silicification, silicide, silicide layer, molybdenum oxidation, molybdenum protection

ABSTRACT: The article describes various methods tested to protect molybdenum from oxidation. Modern techniques require materials for over 1,000°C., while molybdenum oxidizes beyond tolerance limits at 500°C. It must therefore be effectively protected before it can be used at high temperatures. Several methods were proposed, but only some are valid. Results are presented for methods used to silicify molybdenum, especially in the SiCl_4 and H_2 gaseous phase. Most effective protection is with silicide, especially disilicide. Although silicide layers are brittle when cold, they become far less brittle at high temperatures and they retain their mechanical resistance. They may therefore be used for the protection of heating elements for electric ovens and for that of parts used in high temperature furnaces, turbines, rockets, etc. Orig. art. has: 9 figures and

Card 3/2

SZABO, L.; DOMSA, A.; SPIRCHEZ, Z.; MATEI, Gh.

Study on the reducing of molybdenum trioxide and
characteristics of the obtained molybdenum powder.
Bul stiint polit Cluj no.7:199-211 '64.

DOMSA, A.; SZABO, L.; SPIRCHEZ, Z.

The obtaining and some characteristics of synthetic
molybdenum bisulfur (MoS_2). Bul stiint polit Cluj
no.7;223-230 '64.

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000410920006-9

DOMSA, A.; SANDOR, L.; BOTHA, L.; NICOLAE, V.; SABADEANU, D.; COLAN,
H.; PALFALVI, A.

Study on the processing of sintered anti-friction materials
lubricated with MoS₂ at high temperatures. Bul stiint
polit Cluj n.o.7:249-25, '04..

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000410920006-9"

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000410920006-9

DOMSA, A. ; PALFALVI, A.; FILIPESCU, Mihaela; NICOLAE, V.; BOTHA, L.

Pressing and sinterizing properties of I.P.C. molybdenum
powders. Bul stiint polit Cluj no.7:213-221 '64.

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000410920006-9"

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000410920006-9

COLAN, H.; DOMSA, A.; PALFALVI, A.; NICOLAE, V.; BOTHA, L.

Research on molybdenum protection by siliconizing.
Bul stiint polit Cluj no.7:237-247 '64.

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000410920006-9"

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000410920006-9

DOMSA, A.; SZABO, I.; SPIRCHEZ, Z.; PALFALVI, A.; NICOLAE, V.; BOTHA, L.

Contributions to the study and granulometric dosing of powders in
the field of sorting sieves. Bul stiint polit Cluj 6:235-244 '63.

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000410920006-9"

DOMSA, A.; BICSAK, E.

On the cutting of some highly alloyed steels by the aid of the Frem
type iron powders. Bul stiint polit Cluj 6:245-255 '63.

PAGE 1 BOOK INFORMATION

EDN/7738

CIAJ, Moscowavia. Institut Politekhnicheskogo i Tekhnicheskogo Izuchenija (Scientific Works) CIAJ, Interpreted from Poligraphy. No. of copies printed are given. No. 2959.

PERSONAL: This book is intended for mathematicians, physicists, chemists, and engineers and technicians.

CONTENTS: The book consists of 30 papers by Russian specialists on problems in aerodynamics, civil and mechanical engineering, physics, chemistry, mathematics, civil and mechanical engineering, summaries in Russian and English. Papers or Summaries are given at the end of each article. Some of the articles are annotated by references. In general, there are no references, all summaries are to references, all summaries are to references.

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"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000410920006-9

tungsten carbide hard alloy. Bill bitten polt CIIJ 61225-233 163.
Contributions to the manufacture of raw plates made of cobalt and

DOMSA, A.; SZABO, L.; SPICHEZ, Z.; PALFALVI, A.; NICOLAE, V.; BOTHA, L.; BERCOVITS, S.

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000410920006-9"

181
In modern technology. But still not quite Club no. 7169.
Importance of a hybridium and its different products

DOWSA, A.

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000410920006-9

Problem automatic 193-201 5 N 162.
Simulating harvesting campaign and sugar manufacturing by
an electronic duration determination of the manufacturing company.

TRATTNER, E.; HENEGAN, B.; COSTAN, P.; DOMSA, F.; ENACHE, V.; HERTING, L.

APPROVED FOR RELEASE: 07/19/2001 CIA-RDP86-00513R000410920006-9"

Institute, Bucharest.

L. Head of the Section of Sugar Industry, Food Research

16 no. 3:162-173 Nr. 165.

Article from various kinds of bees from in Romania. And also

Contrabutions to the problem of practical application of the different an-

DCMSA, PL, nr.

11. Research Institute of Technology of the Hungarian Academy of Sciences, Budapest.

Phenol imanalyse. Mary kam Lep 19 no. 128669-673 II 16.

IGRIVHAEV, Jozsefne; BOMSA, Karoly

DOMSCH, M,

Certain experiences in using tires in farming. p. 221

Praha. Ceskoslovenska akademie zemedelskych věd. SBORNÍK ZEMĚDĚLSKÁ
TECHNIKA. Praha, Czechoslovakia. Vol. 5, no. 4/5 Aug. 1959

Monthly list of East European Acquisitions (EEAI) in Vol. 9, no. 2
Feb. 1960. Uncl.

S/226/62/000/003/014/014
I003/I203

AUTHOR: Domsha, A., Kovans, S., Muller, G., Bereczky, T. and Colan, H.

TITLE: Investigation of the manufacturing processes of sintered materials for electric contacts

PERIODICAL: Poroshkovaya metallurgiya, no. 3, 1962, 99-109

TEXT: Production of electric contacts having a high wear resistance is described using various metal powders, together with their hardness, density, microstructure and resistance to electric erosion. The best densities and wear resistance under operating conditions were those of tungsten-silver compositions. The authors urge the production of contacts for normal operating conditions on a pilot plant scale. The method of sintering employing high frequency electric current heating is a good means for the production of contacts from pure tungsten. The results obtained are good. It is recommended that the electric erosion of contacts should be tested, to compare the quality of materials produced in Rumania with imported materials, and to indicate the optimum properties. There are 6 figures and 4 tables.

ASSOCIATION: Klyzhskii politekhnicheskii institut, RNR (The Cluj Polytechnical Institute, RPR)

SUBMITTED: July 15, 1961

Card 1/1



DOMSHA, A. [Domsa, A.]; PALFALVI, A.

Investigations on the preparation of iron powder. Porosh. met.
J. no.5:102-111 S-0 '61. (MIRA 15:6)

1. Kluzhskiy politekhnicheskiy institut, Rumynskaya Narodnaya
Respublika.
(Rumania--Powder metallurgy)

Domsa, A.

DOMSHA, A. [Domsa, A.]; KOVANS, S.; MYULLER, G. [Muller, G]; BERETSKI, T.
[Beretski, T.]; KOLAN, Kh. [Colan, H.]

Investigating processes of preparing ceramic metal contactor materials for electric engineering purposes. Porosh. met. 2 no.3:
99-109 My-Je '62. (MIRA 15:7)

1. Kluzhskiy politekhnicheskiy institut, Rumynskaya Narodnaya Respublika.
(Ceramic metals) (Electric contractors)

PONCA, A.

RUMANIA

No degree given

No affiliation given

Bucharest, Studii si Cercetani de Metalurgie, No 3, 1962, pp.319-327.

"Piston Segments Made of Metallic Powder."

Co-authors:

BOTIU, L.

PALMILOVI, A.

ANISOR, L.

ROMANIA

COMSA, A.

Under date, [REDACTED] COMSA, A. to [REDACTED]

[REDACTED]

Recommending to the family of Iron-Copper and Iron Copper
Composite Materials."

Secretary:

MARIN, A.

PECULEA, M.

SCARIS, R.

CONSTANTINESCU, V.

GRIGORIU, M.

GRABAN, N.

GRABAN, L.

GRABAN, L.

COLAJA

COLAJA, A.; DOMSA, A.; PALPEVI, A.; NICOLAE, V.; BOINA, I.

Bucarest, Studii si Cercetari de Metalurgie, no 4, 1963,
pp 397-407

"Research Concerning the Protection of Molybdenum through
Silicon Cementing."

(5)

SOFINSKIY, I.D.; BLOKHIN, P.N.; GEL'BERG, L.A.; ZHDANOV, P.M.; IVASHCHEVSKO,
I.P.; LEVINA, G.P.; NAUMOVA, N.A.; SMIRNOV, N.S.; ARONOVA, R.I.;
NIKOLAYEV, N.A.; SHEHEMETSIG, A.A.; KOVALEVSKIY, I.I.; LOBACHEV, P.V.;
SLADKOV, S.P.; DZIGAN, A.V.; MORAFONOV, N.K. Prinimali uchastiye:
ARGANSKIY, A.S.; ASMUS, Ye.M.; BURZHALOVA, Ye.M.; BOGATYKH, Ya.D.;
BURENIN, V.A.; GOL'DING, N.P.; DOMSHILAK, I.P.; MOSKALEV, S.A.;
RABINOVICH, S.G.; ROGOVSKIY, L.V.; KHOKHOLOVA, I.P.; SHESTOPAL, N.M..
RUBANENKO, B.R., glavnnyy red.; GALKIN, Ya.G., zamest.glavnogo red.;
SAPRYKIN, V.A., red.; SHCHEPITOV, V.M., red.; NOVITCHENKO, K.M.,
nauchnyy red.; VILKOV, G.N., inzh., red.izd-va; TYAPKIN, B.G., red.
izd-va; EL'KINA, E.M., tekhn.red.

[Building your own home] Spravochnik individual'nogo zastroishchika.
Moskva, Gos.izd-vo lit-ry po stroit.materiale, 1958. 442 p.
(MIRA 12:2)

1. Akademiya stroitel'stva i arkhitektury SSSR.
(Building)

DOMSHLAK, I.P.

Institute of Experimental Designing. Izv.ASIA no.3:
(MIRA 13:6)
157-159 '59.

1. Rukovoditel' sektora informatsii Instituta eksperimental'-
nogo proyektirovaniya Akademii stroitel'stva i arkitektury
SSSR.
(Architecture—Designs and plans)

DOMSHLIK, I.P.

Experimental planning institute. Izv. ASIA no.2:117-120 '61.
(MIRA 15:1)

1. Rukovoditel' sektora informatsii Instituta eksperimental'nogo
proyektirovaniya Akademii stroitel'stva i arkhitektury SSSR.
(City planning)
(Apartment houses)

DOMSHLAK, I.P.

Central Research, Planning, and Experimental Institute of
Industrial, Residential and Public Buildings. Izv. AS^SA, 4 no.1:
130-132 '62. (MIRA 15:11)

1. Otdel informatsii Tsentral'nogo nauchno-issledovatel'skogo i
proyektno-eksperimental'nogo instituta industrial'nykh zhilykh i
massovykh kul'turno-bytovykh zdaniy.
(Construction industry)

DOMSHLAK, I.P.

The Central Research and Experimental Planning Institute for
Industrial, Residential and Mass Cultural and Service
Buildings. Izv.ASIA 4 no.4:134&136 '62. (MIRA 16:1)

1. Otdel informatsii TSentral'nogo nauchno-issledovatel'skogo i
proyektno-eksperimental'nogo instituta industrial'nykh zhilykh
i massovykh kul'turno-bytovykh zdaniy.
(Building research)

DOMBROVSKIY, I.I., BORISOVSKIY, S.P., inzh.

Automatic control system for radiobroadcasting channels. Vest.
sviazi 18 no. 8:8-9 Ag '58. (MIRA 11:8)

1. Nachal'nik Moskovskoy direktsii radiosvyazi i radioveshchaniya
(for Dombrovskiy)
(Radiobroadcasting)
(Automatic control)

DOMISHIAX, M.P.

Therapeutic use of radioactive isotopes. Med.rad. 1 no.2:10-17
Mr-Ap '56.
(ISOTOPES, therapeutic use,
(Rus))

(MLRA 9:9)

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000410920006-9

DOMSHILOV, M.P.; DARENSKAYA, N.G.

Comparative effect of different types of ionizing radiations on the
animal organism. Itogi nauki. Biol. nauki no.1:149-170 '57. (MIRA 11:3)
(RADIATION--PHYSIOLOGICAL EFFECT)

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R000410920006-9"

USSR/Human and Animal Physiology. Action of Physical Agents.

T

Abs Jour: Ref Zhur-Biol., No 8, 1958, 37009.

Author : Domshlak, M.P., Avrunina, G.A., Grigor'ev, V.G.,
Darenskaya, N.G.

Inst :
Title : Materials to Investigation on the Specificity of
Reaction of the Organism to Irradiation. (3-n?)

Orig Pub: Pub. Vestn. rentgenol i radiol., 1957, No 2, 3-10.

Abstract: Attention is attracted to the importance of estimation
of the distribution of a dose of internal irradiation
in time. In experiments on 400 mice and 115 rats the
difference in the value of the absolutely minimal lethal
dose of external irradiation and internal irradiation
with P^{32} and the time of the animal's death become
minimal, when external irradiation was equal to internal

Card : 1/3

133

USSR/Human and Animal Physiology. Action of Physical Agents.

T

Abs Jour: Ref Zhur-Biol., No 8, 1958, 37009.

by its distribution in time. However, in applications of "equivalent" external irradiation, the weight loss of the animals began on the first day, in internal irradiation on the third to fifth day. The authors believe that this is caused by uneven spatial distribution of the internal irradiation. Local single irradiation of the head (150-299 r) produced a detectable decrease of the electrical activity of the brain regardless of its original status. The reactivity of the cortex decreased only in the segments submitted to the direct action of the irradiation. In irradiation of various peripheral segments of the body the changes in the electrical activity of the brain depended upon its original condition when the original level was high, a depression of the biological currents of the brain

w

Card : 2/3

USSR/Human and Animal Physiology. Action of Physical Agents.

T

Abs Jour: Ref Zhur-Biol., No 8, 1958, 37009.

was noted, and vice-versa. In order to bring about a 100% destruction of the animal by irradiation of various segments of the body, equal in mass, various doses of radiation were needed (for the head, 2000r, chestcage, 10,000 r, the upper abdomen 5000 r.) Along with the common manifestations of radiation illness, identical for irradiations of various segments of the body, specific changes were noted, characteristic for irradiation of definite segments of the body.

Card : 3/3

134

AUTHOR:
TITLE:

DOMSHLYAK, M.P., KHRUSCHEV, V.G.
An Experimental Gamma Irradiator. (EGO-2)
(Eksperimental'nyy gamma-obluchatel' (EGO-2), Russian).
Atomnaia Energia, 1957, Vol 2, Nr 2, pp 197 - 198 (U.S.S.R.).

PERIODICAL:
ABSTRACT:

An experimental γ -apparatus was constructed and put into service at the academy of medical science of the USSR in Moscow. It mainly serves for the irradiation of laboratory animals in order to study the biological effect of γ -radiation. Besides, this apparatus is suited for the study of the problem of "cold sterilization" and of the influence of radiation on the course of chemical processes in various media. The apparatus uses a set of Co^{60} - preparations with a total activity of 5 curie. These preparations are distributed in such a manner that a cylindrical space with a diameter of 30 cm and a length of 70 cm can be irradiated uniformly. With less uniformity it is possible to irradiate a cylindrical space of a diameter of 50 cm and a length of 100 cm. The apparatus is suited for various radiation dosage outputs: 200 r/min, 400 r/min, and 600 r/min.

This stationary apparatus consists of two mixing basins filled with water with concrete walls of a density of 3,5 t/m³. Such a density warrants a reduction of the background of γ -radiation to a harmless level. The first, small basin serves for the reception, treatment and measuring of radioactive preparations. In the

PA - 2274

Card 1/2

An Experimental Gamma Irradiator.

PA - 2274

second basin, which is larger, there are the radiation sources, a cylindrical chamber for the objects to be irradiated. The cylindrical chamber was fitted to the front wall of the large basin and has a massive cast-iron protective door. The device with the radiation sources is in the opposite part of the basin. The chamber can be charged without danger. The preparations are brought into working position hydraulically. On this occasion the preparations are shifted through pipes and they are distributed round the cylindrical chamber. The object is then irradiated through the aluminium wall of this chamber. Shifting of the preparations takes two seconds and is remote-controlled.

This γ -irradiator has several advantages: It is possible to irradiate large animals in a uniform radiation field with strong radiation doses. Besides, γ -irradiator warrants great stability of the conditions of radiation influence. At present this γ -irradiator is being used for numerous experimental investigations within the domain of radio biology, physical chemistry, and dosimetry. .
(2 illustrations).

ASSOCIATION:
PRESENTED BY:
SUBMITTED:
AVAILABLE:
Card 2/2

AUTHORS: Domshlak, M.P., Vannikov, L.I., Grigor'yev, Yu.G. 89-7-6/32

TITLE: On the Estimation of Minor Influences Exercised by Radiation Upon the Human Organism (Ob otsenke malykh radiatsionnykh vliyanii na organizm cheloveka)

PERIODICAL: Atomnaya Energiya, 1957, Vol. 3, Nr 7, pp. 36-40 (USSR)

ABSTRACT: An evaluation of the influence exercised by radiation upon the human organism is reliable only if the totality of data obtained from several clinical and laboratory investigations are taken into account. The present paper deals only with promising indications for latent changes in tissues occurring at a later date, and gives a survey of 28 previous works dealing with the same problem. The determination of the mitotic activity of the epidermis, as well as the investigation of the anomaly on the leukocytes circulating in the blood and the changes taking place in the chromosomes in the cells of bone marrow are technically complicated and insufficiently worked out methods of investigation. Counting the thrombocytes in peripheral blood is a more exact method than counting the leukocytes because the number of thrombocytes diminishes even as a result of minor doses of radiation. In the case of larger radiation doses the following may take place: a) A change

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of the thrombocytes formula with a preponderance of riper forms,
b) A change of the dimensions on the thrombocytes, in which case
gigantic thrombocytes eventually occur. Also the lymphocytes with
two-leaved nuclei can serve as an indication for changes taking
place in the organism under the influence of radiation. Also the
methods for the evaluation of the functional state of the blood-
forming system are pointed out. In order to determine a disturb-
ance of the functional state of the bone marrow it is possible to
use a sample with the vitamin R₁₂, and also fluorescence microscopy
can be used with success. Also the diminished formation of anti-
particles in irradiated organisms is discussed in short. In the
USA clinical-physiological methods are developed for the early
discovery of damage caused by radiation; they are partly already
being employed in practice. The most important among them are the
investigations of the various functions of the nervous system. The
authors then discuss in detail the investigation of the functions
of smell-, taste-, face-, skin-, and vestibular analyzers. There
are 6 references, 1 of which is Clavio.

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Card 2/2 1. Radiation - Physiological effects

EXCERPTA MEDICA Sec 16 Vol 7/1 Cancer Jan 59

126. *Experiences with biological anti-radiation protection in the experimental X-ray therapy of tumours (Russian text)* DOMSHLAK M. P., IVANOV I. I., BELOSOVA O. I. and YAKOVLEV V. G. *Med. Radiol.* 1957, 3 (47-52)

The protective power of a combination of highly purified L-cysteine with a 99% solution of sodium cyanide was investigated in rats which had been inoculated with M-1 sarcoma subcutaneously in the upper third of the thigh. The tumours were irradiated with minimal damage to healthy tissue, the dose being 6,000-12,000 r. Radiation caused a slowing-down of tumour growth and the development of radiation sickness was inhibited.

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Outlines
Act H.A., P.L., dated 7-1-41 (Title) "An Act to Establish a Department of War."
P.L. 104-231 (Act of Oct. 29, 1995), section 101 -- Title of chapter 13
versus, pp 35-22 (L. 41-57, 1942)

26.

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Findings on the administration of urotropin in the treatment of
radiation sickness [with summary in English], Med.Rad. 3 no.2;
78-80 Mr-Ap'58 (MIRA 11:5)

(METHENAMINE, ther.use

radiation sickness (Rus))

(EORTGEN RAYS, inj.eff.

radiation sickness, ther., methenamine (Rus))

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(URANIL, rel. cpds.

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(ROENTGEN RAYS, effects, leukopenia, eff. of 5-hydroxymethyl-4-methyluracil (Rus))

(LEUKOCYME COUNT, leukopenia induced by x-ray ther., eff of 5-hydroxy-methyl-4-methyluracil (Rus))

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(MIRA 13:5)

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